



## FSM4 SPEAKER BIOS

### DAY 3: WEDNESDAY, 22 FEBRUARY 2017

#### DAY 3, TRACK 3: INDUSTRY

##### INDUSTRY 3.1: LEARNING FROM RESEARCH

1. SINDALL, R., "Findings of the shit flow diagram developed for the city of Durban, South Africa", South Africa

*NO BIO AVAILABLE*

2. FURLONG, C., et al., "Lessons learnt from developing SFDs at scale", UK

*NO BIO AVAILABLE*

3. SPIT, J. et al., "What is the future of pit emptying and faecal sludge treatment in emergencies", Netherlands



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## Jan Spit, Adviser

WASTE COOP, Advisers on Urban Environment and Development, Den Haag, The Netherlands

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WEBSITE: [www.janspitcsdelft.nl](http://www.janspitcsdelft.nl)

Jan Spit is a creative adviser on water and sanitation. As WASTE Cooperative's project manager on Emergency Sanitation, Jan is involved in different innovations in emergency sanitation: emergency sanitation project with IFRC, Oxfam GB and NLRC funded by OFDA/USAID and in several humanitarian innovation fund (HIF) funded projects. Jan recently returned from Lebanon where he assisted Unicef in defining a new sanitation strategy. Jan also coaches the participants of ViaWater in a successful application and implementation of their projects and special adviser of the Netherlands Embassy in Benin (seconded at the Netherlands Water Partnership) on the formulation and execution of the multi-annual integrated water resources and WASH programme.

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## INDUSTRY 3.3: FSM MEASUREMENT & EVALUATION

1. KOWSHIK, G. et al., "Management Information System (MIS) for Integrated FSM services in Tamil Nadu", India

*Presented by Deepa Karthykeyan*

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## Deepa Karthykeyan, Co-founder & Director

Athena Infonomics, Washington DC, USA

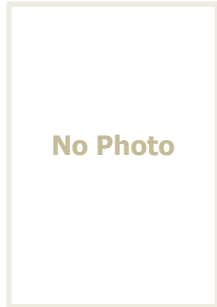
EMAIL: [deepa.k@athenainfonomics.in](mailto:deepa.k@athenainfonomics.in)

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Deepa Karthykeyan is a Co-founder & Director at Athena and leads the Urban Infrastructure and Governance Practice. Deepa works closely with governments and foundations to provide advisory support on urban sanitation and finance. A firm believer in the relevance of data and social science research, Deepa has been instrumental in developing and leading several multi-disciplinary programs to address the challenges of "service-delivery" in changing urban contexts. Deepa holds a Master's degree in Economics from the National University of Singapore and University of Madras and a Bachelor in Economics from Bangalore University.

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## 2. SUGDEN, S., “The pit falls and problems of monitoring a growing pit emptying process”, USA



### **Steven Sugden, Global sanitation program manager**

Water for People, USA

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Steven Sugden has over 25 years of practical experience in water supply and sanitation in developing countries. During this time he has developed an in-depth theoretical and practical understanding of the many diverse challenges facing the sector, ranging from the decomposition of sludge in pit latrines to the targeting the poorest segments of the community. He has been involved in designing and implementing sanitation programs aimed at the sustainable delivery, scale and maintenance systems, using sanitation marketing techniques and private sector organizations as implementers. All of which throws up new challenges regarding measuring impact.

## 3. SCHOEBITZ, L. et al., “ Monitoring Safely Managed Sanitation in the 2030 Agenda for Sustainable Development – Experience from Uganda”, Switzerland



### **Lars Schoebitz, Independent Consultant**

Switzerland

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Led by the World Health Organisation under the UN-Water inter-agency coordination and with the Joint Monitoring Programme, Lars supported the development of a methodology and data collection framework for the establishment of baseline estimates for indicators '6.2.1 - Proportion of population using safely managed

sanitation services including a handwashing facility with soap and water’ and ‘6.3.1 - Proportion of wastewater safely treated’ of Sustainable Development Goal 6 (<https://www.wssinfo.org/sdg-baselines/>). He further identified and supported relevant stakeholders in Uganda, one of six selected proof of concept countries, in testing and implementing the methodology and framework. Draft estimates for indicator 6.2.1 were produced in close collaboration with the Ministry of Water and Environment and the National Water and Sewerage Corporation.

## INDUSTRY 3.4: FSM FINANCE & MARKETING

### 1. AUERBACH, D., “Encouraging Participatory financing for scaling urban sanitation solutions in growing cities”, Kenya



#### **David Auerbach, Co-Founder**

Sanergy Limited, Nairobi, Kenya

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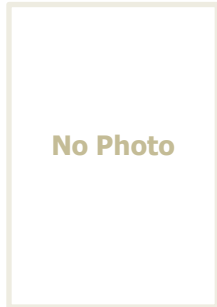
WEBSITE: <http://saner.gy/>

David Auerbach is a co-founder of Sanergy, a social enterprise dedicated to building healthy, prosperous communities in urban slums by making hygienic sanitation affordable and accessible for everyone, forever. David is an Ashoka, Echoing Green, and Rainer Arnhold Fellow. He holds an MBA from MIT and a BA from Yale University

### 2. SPIT, J. et al., “VIA Water Innovations: marketing of faecal sludge valorization endproducts and how these products contribute to a successful sanitation chain”, Netherlands

See *INDUSTRY 3.1.3*

### 3. SHAH, G. et al., "Development Impact bonds for faecal sludge treatment", USA



#### **Gopi Shah, Associate**

Social Finance, London, UK

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Gopi is currently working on the viability of using an impact bond framework within the WASH sector and looking at whether FSM might be an appropriate area to use social investment. Gopi joined Social Finance in June 2013. Gopi holds a Masters in Public Administration in International Finance and Development from Columbia University and the London School of Economics, and has a BSc in Economics and Politics from the University of Warwick.

### 4. FELGENHAUER, K. et al., "Enabling Viable Public-Private Partnerships in Resource Recovery and Reuse for Improved Faecal Sludge Management", Ghana



#### **Katharina Felgenhauer, Social Scientist Public-Private Partnerships**

International Water Management Institute, Accra, Ghana

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Katharina Felgenhauer looks at Public-Private Partnerships (PPP) in resource recovery and reuse, analysing PPP models in waste and wastewater management. She is particularly interested in enabling conditions and success factors in PPP management. She aims to build capacity in public and private sector to set up and run viable PPP.